



Wayne County Community College District

COURSE SYLLABUS

CNC 240 CNC Programming and Machining III

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

In this course students will perform machine operations including set-up, loading and execution of programs to complete multiple parts with a significant amount of hands-on lab work required.

PREREQUISITES: CNC 235

COREQUISITES: CNC 245

EXPECTED COMPETENCIES:

Upon successful completion of the course, the student will:

- Create 2D Tool Paths (rough, face, finish and drill)
- Demonstrate C axis Tool Paths cross contouring
- Demonstrate C axis contour and face drilling
- Demonstrate stock transfer, stock flip, and stock advance
- Demonstrate proficiency in back plot, verify and generate CNC documents
- Demonstrate a thorough understanding of lathe safety
- Demonstrate ability to complete project part(s)

ASSESSMENT METHODS:

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:

90%-100% = A
80%-89.9% = B
70%-79.9% = C
60%-69.9% = D
<60% = E